

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Nuijten, *et al.*  
Serial No: 10/524,198  
Filing Date: October 3, 2007  
Title: Streptococcus uberis protein, nucleic acid sequence encoding the same  
and its use in a mastitis vaccine  
Confirmation No: 3848  
Group Art Unit: 1645  
Examiner: K. Shahnan-Shah  
Attorney Ref: 2002.013 US

May 21, 2009

**TRANSMITTAL LETTER FOR  
SUBSTITUTE SEQUENCE LISTING**

Mail Stop: Sequence  
Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir/Madam:

Applicants submit herewith a Substitute Sequence Listing for inclusion in the captioned application.

Amendments to the Specification begin on page 2.

Remarks begin on page 3.

***Amendments to the Specification***

Please insert the following section heading and paragraph on page 1, immediately after the paragraph of the **Cross Reference to Related Applications** section that was entered by way Preliminary Amendment filed on February 10, 2005:

**Reference to Sequence Listing**

The material saved as "text document" under the file name "SubstituteSequenceListing" created on May 20, 2009 is hereby incorporated by reference.

**Please replace the existing Sequence Listing with the Substitute Sequence Listing provided herewith.**

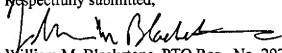
**Remarks**

I hereby state that the amendments, made in accordance with 37 CFR 1.825(a), included in the substitute sheet(s) or compact disc(s) of the Sequence Listing are supported in the application, as originally filed. I hereby state that the information recorded in computer readable form is identical to the written sequence listing and that the submission herewith is filed in accordance with 37 CFR 1.821(g) [or (h)], herein does not include new matter.

Applicants do not believe that any other fee is due in connection with this filing. If, however, Applicants do owe any such fee(s), the Commissioner is hereby authorized to charge the fee(s) to Deposit Account No. **02-2334**. In addition, if there is ever any other fee deficiency or overpayment under 37 C.F.R. §1.16 or 1.17 in connection with this patent application, the Commissioner is hereby authorized to charge such deficiency or overpayment to Deposit Account No. **02-2334**.

Applicants submit that this application is in condition for allowance, and request that it be allowed. The Examiner is requested to call the Undersigned if any issues arise that can be addressed over the phone to expedite examination of this application.

Respectfully submitted,

  
William M. Blackstone, PTO Reg. No. 29772  
Chief Patent Counsel  
Intellectual Property - Animal Health  
Global Law and Public Affairs  
Schering-Plough

Intervet Inc.  
P.O. Box 318  
29160 Intervet Lane  
Millsboro, Delaware 19966-0318

(302) 934-4317 (tel)  
(302) 934-4305 (fax)

WMB:dap